





FORTY-THIRD ANNUAL CATALOGUE

OF

Lebanon Valley College

The Conservatory of Music
and The Academy

ANNVILLE, PA.

1909

PRESS OF
HIESTER PRINTING AND PUBLISHING CO.
ANNVILLE, PA.

CALENDAR.**1908-1909.**

1908.

September 16, Wednesday, College year began.

December 23, Wednesday; Christmas vacation began.

1909.

January 6, Wednesday, Christmas vacation ended.

January 29, Friday, First semester ended.

February 1, Monday, Second semester began.

April 9, Friday, Anniversary of Kalozetean Literary Society.

May 7, Friday, Anniversary of Philokosmian Literary Society.

May 26-28, Senior final examinations.

May 31-June 4, Final examinations.

June 6, Sunday, 10:30 a. m., Baccalaureate Sermon.

7:30 p. m., Address before the Christian Associations.

June 7, Monday, 2:00 p. m., Meeting of Board of Trustees.

7:45 p. m., Exercises by Graduating Class in Music.

June 8, Tuesday, 7:45 p. m., Junior Oratorical Contest.

9:00 p. m., Alumni Banquet and Re-union.

June 9, Wednesday, 10:00 a. m., Forty-third Annual Commencement

1909-1910.

1909.

September 13 and 14, Examination and registration of students.

September 15, Wednesday, College year begins.

November 25, Thursday, Anniversary of Clonian Literary Society.

November 25 and 26, Thanksgiving Recess.

December 22, Wednesday, Fall Term ends.

1910.

January 5, Wednesday, Winter Term begins.

January 24-28, Mid-year examinations.

January 27, Thursday, Day of Prayer for Colleges.

January 28, Friday, First semester ends.

January 31, Monday, Second semester begins.

February 13, Sunday, Day of Prayer for students.

February 22, Tuesday, Washington's Birthday—holiday.

March 25, Friday, Winter Term ends.

March 28, Monday, Spring Term begins.

June 8, Wednesday, Forty-fourth Annual Commencement.

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HISTORY OF THE COLLEGE

LEBANON VALLEY COLLEGE originated in the action of East Pennsylvania Conference at its annual session held at Lebanon in March, 1865. Resolutions were passed deciding the question of establishing a higher institution of learning to be located within the bounds of the East Pennsylvania or of the Pennsylvania Conference. One year later the committee appointed recommended in its report: First, the establishment of a school of high grade under the supervision of the church; second, to accept for this purpose the grounds and buildings of what was then known as the Annville Academy, tendered as a gift to the Conference; and, third, to lease the buildings and grounds to a responsible party competent to take charge of the school for the coming year. School opened May 7, 1866, with forty-nine students. By the close of the collegiate year one hundred and fifty-three were enrolled, thus demonstrating at once the need of such an institution in this locality and the wisdom of the founders.

In April, 1867, the Legislature granted a charter with full university privileges under which a College faculty was organized with Rev. Thomas Rees Vickroy, Ph. D., as president, and Prof. E. Benjamin Bierman, A.M., as principal of the Normal Department. The same year the Philokosmian Literary Society was organized by the young men, additional land was purchased and a large brick building erected thereon with chapel, recitation rooms, president's office, and apartments for sixty boarding students. The building was not furnished and fully occupied till the fall of 1868.

The first regular commencement occurred June 16, 1870, when the first three graduates, William B. Bodenhorn, Albert C. Rigler, and Mary A. Weiss received their diplomas.

About two years later opposition to the school manifested itself and President Vickroy stated in his report to the annual Conference that the attendance of students was reduced from one hundred to seventy-five, and the cause of this diminution was persistent opposition on the part of certain brethren.

President Vickroy directed the affairs of the institution for five years, from 1866 to 1871. During his administration the charter was prepared and granted by the State Legislature, the laws and regulations for the internal workings framed and adopted, the curriculum established, and two classes—those of 1870 and 1871—were graduated. In June, 1871, Prof. Lucian H. Hammond was elected president. During his term of office five classes were graduated, the Clonian Literary Society

organized by the ladies, and the College made steady and substantial progress, but failing health compelled him to resign in June, 1876.

Rev. David D. Delong, D. D., became the third president. He found it necessary to reconstruct the faculty and retained but two of the former teachers. The Kalozetean Literary Society was instituted to awaken interest in literary work among the young men by means of a healthy rivalry, and the music department was organized. In the summer of 1883 a large two-story frame building was erected on College Avenue, containing art room, music rooms, the department of natural science, a museum and the College library. During his presidency one hundred and seven students were graduated, fourteen in music and ninety-three in the literary department.

After an interregnum of several months Rev. Edmund S. Lorenz, A. M., was elected president and took up the work with energy and ability. Enlargement was his motto and the friends of the College rallied to his support. Post graduate studies were offered. The College Forum made its appearance under the editorship of the Faculty. With a devotion that won the admiration of his friends he labored incessantly for nearly two years to make the College the peer of any in the State, but under this strain his health failed and he was obliged to retire at the close of the collegiate year of 1889.

The fifth president, Rev. Cyrus J. Kephart, D. D., assumed the duties of his office at the opening of the fall term in 1889. He secured creditable additions to the endowment fund but because of discouraging conditions declined re-election at the close of the first year.

The question of re-locating the College agitated its constituency, divided its friends and greatly hindered its progress. Some were almost in despair, others were indifferent, while others hoped and waited for the best. Under these conditions the Board of Trustees met in special session July 28, 1890, and called Dr. E. Benjamin Bierman to the presidency. He was inaugurated on the evening of the sixth of November following. Buildings were renovated, a large number of students enrolled and the Mary A. Dodge Fund of ten thousand dollars received, "the interest of which only is to be loaned without charge to such pious young people as the Faculty of the College may deem worthy of help as students." The Silver Anniversary of the College was celebrated June 15, 1892, when money was raised to purchase about three acres of ground to be added to the college campus. With the experience of twenty-five years of earnest effort to combat opposition and overcome error and misconceived notions of higher education and to build up an institution of learning creditable to the United Brethren Church, the

friends of the College entered upon the second quarter of a century with new hope and aspiration.

President Bierman served successfully until the spring of 1897, when he was succeeded by Rev. Hervin U. Roop, Ph. D., who held the office till Jan. 1, 1906, after which time the administration was in the hands of the Executive Committee and the Faculty until the election of Rev. A. P. Funkhouser, A. M., March 9, 1906.

The presidency of Dr. Roop stands out as the period when the group system in the College curriculum was introduced, when the athletic field was acquired, when the disastrous fire of December 24, 1904, occurred, sweeping away the Administration Building in a few hours, and when several new buildings arose on the campus—Engle Music Hall 1899, and the Carnegie Library and Ladies' Dormitory in 1904. The recuperative powers of the institution were put to the test by the destruction of the main building. At a meeting held January 5, 1905, the friends of the College resolved, amid unusual enthusiasm to rebuild at once and with the stimulus of a gift of fifty thousand dollars from Andrew Carnegie received by the President, who had previously secured \$20,000 from the same source plans were matured by which to raise one hundred thousand dollars for this purpose. The erection of three new buildings was projected—the Men's Dormitory, the Central Heating Plant and the new Administration Building, the latter being completed under the supervision of President Funkhouser, whose term of office is marked also by a strenuous effort to straighten out the tangled threads in the financial skein and to meet the debt which rose to almost or altogether ninety thousand dollars. Bonds were issued to the amount of fifty thousand dollars and the co-operative college circles organized to relieve the financial conditions.

Rev. Lawrence Keister, S. T. B., D.D., was elected president of the College, June 10, 1907, at the annual session of the Board of Trustees. On the 12th of June he assumed the duties of the office, bringing to the task an earnestness and devotion that immediately awakened a new interest among the students, the Faculty and the friends of the institution. During his first year he solicited the money to secure the much needed equipment for the Science Department.

The debt effort authorized by the Board, June 3, 1908, was carried forward successfully, \$50,000 having been pledged, before Jan. 1, 1909, according to the condition of the pledge which also required the continuation of the canvass to secure another \$50,000 in order to cover the entire debt. The College agent is in the field and may God hasten the day of deliverance.

GENERAL INFORMATION

The College is situated in Annville, which is on the Harrisburg division of the Philadelphia and Reading Railway. Annville is also connected by trolley line with Lebanon and Harrisburg.

Buildings and Grounds

There are seven buildings on the campus, the Carnegie Library, the Engle Music Hall, the Women's Dormitory, the Men's Dormitory, the Academy Building, the Administration Building, and the Heating Plant.

THE CARNEGIE LIBRARY, a building of the Gothic style of architecture, erected in 1904, furnishes commodious quarters for the growing library of the College. Each department has its particular books for reference in addition to the large number of volumes for general reference and study. An annual amount is appropriated by the Board of Trustees for the purchase of new books, and plans are being made for the enlargement of the library in order to meet the growing needs of the College.

Two large reading rooms on the first floor, splendidly lighted and ventilated, and beautifully furnished, are provided with the leading magazines and daily papers. Periodicals devoted to the special work of each department are here, as well as magazines of general literature. On the second floor are six seminar rooms designed to be equipped with the special works of reference for the various departments, where students doing the most serious work may study undisturbed.

THE ENGLE MUSIC HALL, of Hummelstown brownstone, erected in 1889, contains the college chapel, used for all large college gatherings, a director's office and studio, practice rooms, and a large society hall. The building is well equipped with pianos and a large pipe organ.

THE WOMEN'S DORMITORY was erected in 1905, and is a building of beautiful proportions. In addition to rooms which will accommodate forty-five students, there are a society hall, a dining hall, a well equipped kitchen, and a laundry.

THE MEN'S DORMITORY is a modern structure of brick with Indiana limestone trimmings. It contains single and double rooms and sixteen suites of two bed rooms with a separate study room. These afford accommodations for eighty-five students. This building was also erected in 1905.

THE ACADEMY BUILDING, the original building of the institution, and acquired by gift in 1866 when the College was founded, is now used as a dormitory.

THE HEATING PLANT, erected in 1905, is in harmony with the buildings above described. It contains a low pressure heating system of the most perfect construction and supplies the heat for all the buildings on the campus. It is constructed with a view to the installation of a light plant.

THE ADMINISTRATION BUILDING is the most important and central of the buildings. It is built of buff brick with terra cotta trimmings, three stories high. It contains the recitation rooms of the College and the laboratories of the science department. The department of art has here commodious and modern quarters. The administration offices of fire proof construction are on the first floor.

To accommodate all these buildings, the campus, originally of ten acres, has been recently enlarged by purchase. It occupies a high point in the centre of the town of Annville and is within easy access of all trolley and railroad lines.

The athletic field of five and one half acres is well located and admirably adapted to the purpose for which it is intended. On it are erected a grand stand and bleachers.

Laboratories

The entire northern half of the Administration Building is occupied by the department of science. The Department of Chemistry occupies the first floor; Physics the second, and Biology the third.

The laboratories of each department are constructed after the most approved modern methods, and students find everything arranged for their convenience. Stock rooms and special laboratories adjoin the general laboratories. The lecture rooms are provided with risers and Columbia tablet arm chairs.

Religious Work

Recognizing that most of its students come from Christian families, the College has always tried to furnish religious training. It believes in cultivating the heart as well as the mind, and encourages all wholesome means of promoting Christian influence.

Each school morning, a regular service is held in the college chapel, at which the students are required to be present. At this service there is singing, reading of Scripture, and prayer. Members of the Faculty conduct this service.

A student's prayer meeting is held once a week, and opportunities for Bible study and mission study are offered by the Christian Associations in addition to those afforded by the regular curriculum.

All resident students of the College are required to attend public worship in churches of their choice every Sunday.

The religious life during the past year has been earnest and helpful, and patrons may feel satisfied that high moral influences are being exerted constantly over their children.

College Organizations

Christian

Associations

The College has flourishing Young Men's and Young Women's Christian Associations, which hold regular weekly devotional services and conduct special courses of Bible and mission study, often in charge of members of the Faculty.

These organizations frequently are visited by the general secretaries, who infuse enthusiasm into the work. Membership is voluntary, and the success of these societies is an almost certain index of the real condition of the religious life at Lebanon Valley College.

Under these auspices numerous public lectures, entertainments, and socials are held, so that they contribute incalculably to the pleasure of the student body. They are the centre of the spiritual welfare of the students and deserve the hearty support of all connected with the College.

Literary

Societies

Excellent opportunities for literary improvement and parliamentary training are afforded by the societies of the College. There are three of these societies—one sustained by the young ladies, the Clonian, and two by the young men, the Kalozetean and the Philokosmian. They meet every Friday evening in their well furnished halls for literary exercises consisting of orations, essays, and debates. These societies are considered valuable agencies in college work, and students are advised to unite with one of them.

Athletic**Association**

The Athletic Association is composed of all students and others connected with the College, who pay the required athletic fee. It elects, besides its own officers, the managers of the various athletic teams.

The direct supervision of athletics is in the hands of the committee of the association, called the executive board of athletics. This board is made up of seven members as follows: Two members of the Faculty of the College; the president of the association, who is ex-officio president of the board; the baseball, football, and basket-ball managers, and the treasurer of the association.

Biological**Field Club**

The Biological Field Club offers to any student of the College an opportunity to collect, study, and discuss objects of interest in the field of living nature. Frequent excursions are made to places of special interest to members of the club.

Historical**Society**

The Historical Society of Lebanon Valley College is organized by the students who have elected the historical-political group together with such others as may be especially interested in historical studies. The purpose of the organization is to stimulate among the students the spirit of historical research. Members of the society are collecting material for a museum, which will be arranged in proper form as soon as suitable provision can be made in one of the new buildings. The society holds stated meetings, at which papers are read and subjects of historic importance are discussed. The members of the society from time to time visit places of historic note.

Modern Lan-**guage Club**

In order to stimulate interest in the study of the modern languages, at the request of the junior and senior students of the modern language group, a club has been formed under the direction of the adviser of the group. The club meets every third Saturday afternoon or evening as occasion suggests. Student programs alternate with lectures by the teachers in the department.

Literary and Musical Advantages

During the college year, the student body has the privilege of hearing lectures and talks delivered by resident professors and men of note in church and literary circles.

The department of music together with the department of public speaking presents a number of programs during the year for the pleas-

ure and benefit of the general student body. Concerts and recitals by prominent musicians are given under the patronage of the department of music with the aim of creating in the student an appreciation for the best in art.

There is a lively interest in the drama. Various college organizations have presented Shakespearean and other plays of a high grade.

A further means of enjoyment and education is the course of lectures and concerts under the management of the Christian associations of the College.

Administration

Advisers The following are the advisers for the students in each of the five groups in which courses of instruction are offered: For the classical group, Professor Spangler; for the mathematical-physical, Professor Bender; for the chemical-biological, Professor Derickson; for the historical-political, Professor Shenk; for the modern language, Professor Shippee; for the freshman class, Professor Schlichter; and for the Academy, Professor Spessard. The students of each group are amenable to the adviser in all matters of conduct, study and discipline. He is to grant leave of absence, permission to go out of town, and excuses. His approval is necessary before a student may register for or enter upon any course of study, or discontinue any work. He is the medium of communication between the Faculty and the students of his group, and in a general way stands to his students in the relation of a friendly counsellor.

Discipline It is earnestly desired that students may be influenced to good conduct and diligence by higher motives than fear of punishment. The sense of duty and honor, the courteous and general feelings natural to young men and women engaged in literary pursuits, are appealed to as the best regulators of conduct. It is the policy of the administration to allow in all things as much liberty as will not be abused, and the students are invited and expected to coöperate with the Faculty; but good order and discipline will be strictly maintained and misconduct punished by adequate penalties. The laws of the College are as few and simple as the proper regulation of a community of young men and women will permit. The College will not place its stamp or bestow its honors upon anyone who is not willing to deport himself becomingly. No hazing of any kind will be permitted. Every unexcused absence from any college duty, every failure or misdemeanor of a student is reported to the Faculty, and a record made of the same.

Classification

The maximum number of hours, conditioned, permitted for senior standing is four; for junior standing, six, for sophomore, eight, and for freshmen, to be decided for individual students by the committee on classification.

The permitted number of extra hours of work above that prescribed by the curriculum is limited by the student's record for previous years as follows;

- (a) Majority of A's, nothing less than B—no limit.
- (b) Majority of B's, nothing less than C—four hours.
- (c) Lower record than (b)—no extra hours.

Class Standing

The scholarship of students is determined by result of examinations and daily recitations combined. The grades are carefully recorded.

Reports of standing will be made to parent or guardian at the end of each term when desired by them, or when the Faculty deems it expedient. The standing is indicated generally by classification in six groups, as follows:

- A signifies that the record of the student is distinguished.
- B signifies that the record of the student is very good.
- C signifies that the record is good.
- D signifies the lowest sustained record.

E (conditioned) imposes a condition on the student. Conditions incurred in January must be made up by June; conditions incurred in June must be made up by September. Failing to make up a condition at the time appointed is equal to a record F.

F (failed completely) signifies that the student must drop or repeat the subjects, and cannot be admitted to subjects dependent thereon.

If the student's record as a whole is poor, he may be required to repeat certain subjects, to repeat the year, or to withdraw.

Degree

The degree of bachelor of arts is conferred, by a vote of the Board of Trustees on recommendation of the Faculty, upon students who have satisfactorily completed any of the groups.

Graduate Work

Since all its members are fully occupied with undergraduate work, the Faculty deems it unwise to offer any work for the degree of Master of Arts during the coming year. In rare cases sufficient resident work upon certain advanced courses given may be outlined. But as special action would be required in each case, no detailed announcement can be made here. All inquiries about graduate work should be addressed to the Dean.

Scholarships

The College offers a limited number of one-hundred-dollar free tuition scholarships to honor graduates of State normal schools and approved high schools and academies. One scholarship is allotted to the first honor graduate of our own academy.

Graduates of high schools and academies whose standard is not equal to that of our own academy, may enter the senior year of the academy and become competitors for our own academy scholarship.

Honor graduates of preparatory schools who have conditions may be allowed to make them up in the freshmen year. If the first semester's work shows a majority of A's and nothing less than B in all work including conditions, a scholarship may be awarded.

The Faculty and Executive Committee shall make all scholarship awards.

Expenses

COLLEGE AND ACADEMY

MATRICULATION FEE,.....	\$ 5 00
TUITION, If paid in advance.	50 00
If not paid in advance.....	60 00
For twenty hours or less in the College, or, for twenty-four hours or less in the Academy. Each additional hour per semester, \$1.50.	

LABORATORY FEES, per semester:

Biology 1-a.....	\$2 00
Biology 1-b.....	6 00
Biology 2.....	6 00
Biology 3.....	5 00
Biology 4.....	5 00
Science c.....	3 00

A deposit of \$2.00 is required of each student who is assigned a locker in the biological laboratory as a guarantee of the care and return of the keys and apparatus. The treasurer will refund the deposit when a certificate from the department is presented stating that the keys have been returned in good condition.

Chemistry 1	\$ 6 00
Chemistry 2	7 50

Chemistry 3.....	7 50
Chemistry 4.....	5 00
Chemistry 5.....	5 00

A deposit of \$3.00 is required of each student who is assigned a locker in the chemical laboratory. Any part of this breakage deposit unused will be refunded at the end of the course.

Physics 3.....	\$5 00
Elementary Physics.....	3 00

All laboratory fees and deposits for each semester must be paid in advance. A student will not be assigned a locker or apparatus in any of the laboratories without a certificate from the treasurer of the College stating that the fee has been paid and the deposit made.

GRADUATION FEE, payable thirty days prior to commencement, \$10 00

TABLE BOARD AND ROOM RENT

TABLE BOARD—Regular students, paid in advance \$2.80 a week; \$104 a year, not in advance \$3.36 a week; \$124.80 a year.

Five-day students, when paid in advance \$2.00 a week; \$74.00 a year, not in advance \$2.40 a week; \$88.50 a year.

ROOM RENT—Paid in advance \$40 to \$60 a year, according to location of room. When not paid in advance \$48 to \$72.

These rates are fixed by a special order of the Board of Trustees.

The rate for payment in advance may be secured by paying one-fifth at the opening of the Fall term; one fifth at the middle of the Fall term; three-tenths at the opening of the Winter term; three-tenths at the opening of the Spring term. The higher rate will be charged after ten days from the day a bill is due.

Failure to pay one bill before a second falls due will exclude a student from classes.

Requirements for Admission

The College offers five groups of studies leading to the degree of Bachelor of Arts, as follows: The Classical, the Mathematical-Physical, the Chemical-Biological, the Historical-Political and the Modern Language. Students are admitted to the Freshman Class on examinations, on certificates of approved high and preparatory schools, and on the certificates of the College Entrance Board.

Full information concerning the cost, place, etc., of this Board's examinations may be had upon application to the Secretary of the College Entrance Examination Board, Post-office Sub-station 84 New York.

A candidate should have preparation according to the following general outline:

For all groups, English, 4 years; Latin, 4 years, (prose composition each year); German, 2 years; English History and Civics, 1 year; Greek and Roman History, 1 year; Algebra, 2 years; Plane Geometry, 1 year; Solid Geometry, $\frac{1}{2}$ year; Physics, 1 year; Elementary Zoölogy, 1 year.

N. B.—For the Classical Group, Greek 1 year, (instead of either Physics or Elementary Zoölogy).

Entrance Subjects in Detail

ENGLISH.

English A.

The ability to write good English is the one necessary requirement. Candidates will be expected to answer general questions testing their knowledge of the following list of Classics.

FOR THE YEARS 1909, 1910, 1911; Group I. (Two to be selected.)

Shakespeare's *As you Like It*, *Henry V.*, *Julius Cæsar*, *The Merchant of Venice*, *Twelfth Night*.

Group II. (One to be selected.)

Bacon's *Essays*, Bunyan's *Pilgrim's Progress* Part I, *The Sir Roger De Coverly Papers in the Spectator*, Franklin's *Autobiography*.

Group III. (One to be selected.)

Chaucer's *Prologue*, Spenser's *Faerie Queen* (selections), Pope's *The Rape of the Lock*, Goldsmith's *The Deserted Village*, Palgrave's *Golden Treasury* (First Series) Books II. and III., with especial attention to Dryden, Collins, Gray, Cowper, and Burns.

Group IV. (Two to be selected.)

Goldsmith's *The Vicar of Wakefield*, Scott's *Ivanhoe*, Scott's *Quentin Durward*; Hawthorne's *The House of the Seven Gables*, Thackeray's *Henry Esmond*, Mrs. Gaskell's *Cranford*, Dickens's *A Tale of Two Cities*, George Eliot's *Silas Marner*, Blackmore's *Lorna Doone*.

Group V. (Two to be selected.)

Irving's *Sketch Book*, Lamb's *Essays of Elia*, De Quincey's *Joan of Arc*, and the *English Mail Coach*, Carlyle's *Heroes and Hero Worship*, Emerson's *Essays* (selected), Ruskin's *Sesame and Lilies*.

Group VI. (Two to be selected.)

Coleridge's *The Ancient Mariner*, Scott's *The Lady of the Lake*, Byron's *Mazeppa* and the *Prisoner of Chillon*, Palgrave's *Golden Treasury* (First Series) Book IV. with especial attention to Wordsworth,

Keats, and Shelley, Macaulay's *Lays of Ancient Rome*, Poe's *Poems*, Lowell's *The Vision of Sir Launfal*, Arnold's *Sohrab and Rustum*, Longfellow's *The Courtship of Miles Standish*, Tennyson's *Gareth and Lynette*, *Lancelot and Elaine*, and *The Passing of Arthur*, Browning's *Short Poems*.

English B.

Study and Practice—This part of the examination presupposes the thorough study of each of the works named below. The examination will be upon subject matter, form and structure. In addition, the candidate may be required to answer questions involving the essentials of English grammar, and questions on the leading facts in those periods of English literary history to which the prescribed works belong.

The books set for this part of the examination will be:

For the years 1909, 1910, 1911:

Shakespeare's *Macbeth*; Milton's *Lycidas*, *Comus*, *L'Allegro*, and *I Penseroso*; Burke's *Speech on Conciliation with America*, or *Washington's Farewell Address* and Webster's *First Bunker Hill Oration*; Macaulay's *Life of Johnson*, or Carlyle's *Essay on Burns*.

Latin.

The preparation in Latin should comprise the first four books of *Caesar*, six orations of *Cicero*, and six books of *Virgil's Aeneid*. There should be four years of work in composition, and a study of prosody.

German.

Two years of work are required including easy prose composition and reading of at least 600 pages of moderately easy prose and poetry. Daily practice in writing German and careful drill in pronunciation is expected.

English History.

Walker's Essentials of English History or its equivalent.

Greek History.

To the fall of *Corinth*, and the history in brief of the more ancient countries. **Roman History**—The history of the *Roman Republic* and the *Empire* to the time of *Constantine*. *Meyer's Ancient History* or its equivalent.

Algebra.

As treated in the elementary text-books of *Wells*, *Wentworth*, *Tanner*, or equivalent. The time supposed to be devoted to the systematic study of this requirement is the equivalent of a course of three lessons a week through two school years.

Plane and Solid Geometry.

As treated by Wentworth, or an equivalent.

Physics.

As much as is contained in Carhart and Chute's High School Physics, or an equivalent. The laboratory work required must consist of at least forty exercises or experiments of the character given in the National Physics Course, or others similar to these in grade and method.

Elementary Biology.

The requirement may be fulfilled by any one of the following courses or the equivalent:

(a) **General Biology.**—A one-year course in which at least one-third of the time has been given to laboratory work on both plants and animals as mentioned in (b) and (c).

(b) **Botany.**—A one-year course in which at least one-third of the time was devoted to laboratory work, including at least two types of blue-green algae, four types of green algae, one type each of the red and brown algae, three types of the fungi, a liverwort, a moss, and a fern. The structure and germination of types of monocotyledonous and dicotyledonous seeds. The morphology of types of buds, stems, roots, leaves, flowers, and fruit. At least five experiments in physiology. Field work either in outlined ecological studies or the collection of material for an herbarium representing twenty families of plants.

A briefer course covering at least half of the work outlined above may be offered in connection with a half year's work in Zoölogy for the one year of elementary biology.

(c) A one-year course in which at least one-third of the time was devoted to laboratory work, including a study of the cell, the tissues, the morphology of at least one type of each phylum, the general principles of development. Definite field studies in animal ecology. Experiments in physiology.

A briefer course, including laboratory work on at least half of the forms outlined above, may be offered in connection with a half year's work in botany for the one year of elementary biology.

Laboratory notes and drawings must be presented with credentials before credit will be given.

Elementary Greek.

White's First Greek Book, or equivalent.

Special Note—For more detailed information on entrance requirements see outlines of Academy courses.

OUTLINE OF COURSES.

Description of Courses is given under Departments of Instruction.

FRESHMAN

GROUP I.		GROUP II.		GROUP III.		GROUP IV.		GROUP V.	
Classical.		Chemical-Biological.		Mathematical-Physical.		Historical-Political.		Modern Language.	
hrs.		hrs.		hrs.		hrs.		hrs.	
Latin I	3	Mathematics I	4	Mathematics I	4	Latin I, or	3	Latin I, or	3
Greek I b	5	Biology Ia	4	German 3a	4	Greek I	3	Greek I	3
French I, or	3	German I	3	French I	3	Mathematics I	4	German I	3
German I, or	3	English I	2	English I	2	German I	3	Mathematics I	4
Biology Ia	4	Bible I	2	Bible I	2	English I	2	English I	2
Mathematics I	4	French I	3	History I	3	Bible I	2	Bible I	2
English I	2					French I	3	French I	3
hrs.		hrs.		hrs.		hrs.		hrs.	
Latin I	3	Mathematics 2	4	Mathematics 2	4	Latin I, or	3	Latin I, or	3
Greek I b	5	German I	3	German 3a	4	Greek I	3	Greek I	3
French I, or	3	Biology Ia	4	French I	3	Mathematics 2	4	German I	3
German I, or	3	English I	2	English I	2	German I	3	Mathematics 2	4
Biology Ia	4	Bible I	2	Bible I	2	English I	2	English I	2
Mathematics 2	4	French I	3	History I	3	Bible I	2	Bible I	2
English I	1					French I	3	French I	3

First Semester

Second Semester

SOPHOMORE

GROUP I.		GROUP II.		GROUP III.		GROUP IV.		GROUP V.	
Classical.		Chemical-Biological.		Mathematical-Physical.		Historical-Political.		Modern Language.	
hrs.		hrs.		hrs.		hrs.		hrs.	
Latin 2	3	Mathematics	3	Mathematics	4	History 1	3	German 2	3
Greek 2C	3	History 1	3	German 2	3	Philosophy 1	3	French 2	3
History 1	3	Philosophy 1	3	French 2	3	English 2	1	History 1	3
Philosophy 1	3	English 2	1	Chemistry 1	4	Biology 1, or {	4	Philosophy 1	3
English 2	1	*Elective	7	English 2	1	Chemistry	1	English 2	1
German 2, or {				Philosophy 1	3	German 2	3	Biology 1, or {	4
French 2, or {				Elective	1	Elective	3	Chemistry 1	4
Biology 1 B									
hrs.		hrs.		hrs.		hrs.		hrs.	
Latin 2	3	Mathematics	3	Mathematics	4	History 1	3	German 2	3
Greek 1C	3	History 1	3	German 2	3	Philosophy 2	3	French 2	3
History 1	3	Philosophy 2	3	French 2	3	English 2	1	History 1	3
Philosophy 2	3	English 2	1	Chemistry 1	4	Biology 1, or {	4	Philosophy 2	3
English 2	1	*Elective	7	English 2	1	Chemistry 1	4	English 2	1
German 2, or {				Philosophy 9	3	German 2	3	Biology 1, or {	4
French 2, or {				Elective	1	Elective	3	Chemistry 1	4
Biology 1 B									
hrs.		hrs.		hrs.		hrs.		hrs.	
Latin 2	3	Mathematics	3	Mathematics	4	History 1	3	German 2	3
Greek 1C	3	History 1	3	German 2	3	Philosophy 2	3	French 2	3
History 1	3	Philosophy 2	3	French 2	3	English 2	1	History 1	3
Philosophy 2	3	English 2	1	Chemistry 1	4	Biology 1, or {	4	Philosophy 2	3
English 2	1	*Elective	7	English 2	1	Chemistry 1	4	English 2	1
German 2, or {				Philosophy 9	3	German 2	3	Biology 1, or {	4
French 2, or {				Elective	1	Elective	3	Chemistry 1	4
Biology 1 B									
hrs.		hrs.		hrs.		hrs.		hrs.	
Latin 2	3	Mathematics	3	Mathematics	4	History 1	3	German 2	3
Greek 1C	3	History 1	3	German 2	3	Philosophy 2	3	French 2	3
History 1	3	Philosophy 2	3	French 2	3	English 2	1	History 1	3
Philosophy 2	3	English 2	1	Chemistry 1	4	Biology 1, or {	4	Philosophy 2	3
English 2	1	*Elective	7	English 2	1	Chemistry 1	4	English 2	1
German 2, or {				Philosophy 9	3	German 2	3	Biology 1, or {	4
French 2, or {				Elective	1	Elective	3	Chemistry 1	4
Biology 1 B									
hrs.		hrs.		hrs.		hrs.		hrs.	
Latin 2	3	Mathematics	3	Mathematics	4	History 1	3	German 2	3
Greek 1C	3	History 1	3	German 2	3	Philosophy 2	3	French 2	3
History 1	3	Philosophy 2	3	French 2	3	English 2	1	History 1	3
Philosophy 2	3	English 2	1	Chemistry 1	4	Biology 1, or {	4	Philosophy 2	3
English 2	1	*Elective	7	English 2	1	Chemistry 1	4	English 2	1
German 2, or {				Philosophy 9	3	German 2	3	Biology 1, or {	4
French 2, or {				Elective	1	Elective	3	Chemistry 1	4
Biology 1 B									

First Semester

Second Semester

* Biology 1b or chemistry 1 must be elected here. Both subjects are required of a student in this group. Three more hours must be elected.

JUNIOR

OUTLINE OF COURSES

23

First Semester				
GROUP I.	GROUP II.	GROUP III.	GROUP IV.	GROUP V.
Classical.	Chemical-Biological.	Mathematical-Physical	Historical-Political.	Modern Language.
hrs. Greek I 3 Latin 3 2 Philosophy 4 2 English 3 3 Economics I 3 Bible I 2 *Elective 4	hrs. Biology 2, or } 4 Chemistry 2 } Mathematics 4 3 Economics I 3 Elective 7	hrs. Mathematics 5 3 Physics 1 } 4 Physics 3 } Chemistry 2 4 Astronomy I 4 Elective 2	hrs. History 2 3 Economics I 3 Philosophy 4 2 Pedagogy I 2 English 3 3 Elective 3	hrs. German 3 3 French 3 3 English 3 3 English 5 3 Economics I 2 Philosophy 4 2
Second Semester				
Greek I 3 Philosophy 4 2 English 3 3 Bible I 2 Elective 6	Biology 2, or } 4 Chemistry 3 } Mathematics 5 3 Elective 10	Mathematics 6 3 Physics 2 } 4 Physics 3 } Chemistry 3 4 Elective 6	History 3 3 Economics 2 3 Philosophy 4 2 English 3 3 Elective 5	German 3 3 French 3 3 English 3 3 English 6 3 Philosophy 4 2 Elective 3
*Biology 1, or chemistry 1, or physics 1 must be elected here. Otherwise free election in all groups.				

SENIOR

First Semester				
GROUP I.	GROUP II.	GROUP III.	GROUP IV.	GROUP V.
Classical.	Chemical-Biological.	Mathematical-Physical	Historical-Political.	Modern Language.
hrs. Greek 2 3 Philosophy 5 2 History 4 3 Bible 3 2 Elective 6	hrs. Physics 1 4 Bible 3 2 *Elective 10	hrs. Mathematics 7 3 Physics 4 3 Bible 3 2 Elective 8	hrs. History 4 3 History 5 3 Philosophy 5 2 Bible 3 2 Elective 6	hrs. English 7 2 English 9 3 Philosophy 5 2 Bible 3 2 Elective 9
3 Greek 2 Philosophy 5 History 4 Bible 5 Elective 6	4 Physics 1 Bible 5 *Elective 10	3 Mathematics 8 Physics 4 Bible 3 Elective 8	3 History 4 History 6 Philosophy 5 Bible 5 Sociology Elective 4	2 English 8 English 10 Philosophy 5 Bible 5 Elective 9
*A minimum of four hours of advanced work in biology or chemistry must be elected.				
Second Semester				

DEPARTMENTS OF INSTRUCTION

Philosophy

1. Logic—Three hours. First Semester.

The aim is to acquaint the pupil with the laws of thought as revealed in the nature of the human mind. A careful introductory survey is made of the syllogism and of the scientific method, and a drill is given in the detection and correction of logical fallacies. Recitation and library references.

PROFESSOR SHENK.

2. Psychology—Three hours. Second Semester.

General Psychology.—This course is planned to guide the student in forming the habit of observing and interpreting mental phenomena, and to lay a foundation for all the higher branches dealing primarily with mental life. Recitation, lecture, experiment, and library references.

PROFESSOR SHENK.

3. Psychology of Religion—Two hours. Throughout the year.

The religious nature of man is studied psychologically as manifested in childhood, adolescence, and maturity, including the phenomena of conversion and Christian growth.

Elective for Seniors in case a sufficient number desire to pursue it.

4. History of Philosophy—Two hours. Throughout the year.

A general survey is made of the field of Philosophy in general with special emphasis upon Plato, Aristotle, Kant, and upon the systems of Rationalism, Empiricism, and Idealism. The aim is to develop the love of the truth, a discriminating judgment, and independent thinking.

PROFESSOR SHENK.

5. Ethics—Two hours. Throughout the year.

The course is an introduction to ethical theory and practical ethics. It aims to set forth fundamental moral ideas and principles in their relation to ideal living.

PROFESSOR SPANGLER.

Greek Language and Literature

PROFESSOR SPANGLER

1 b. Elementary Greek—Five hours. Throughout the year.

Xenophon: Four books of the Anabasis. Greek Prose.

1 c. Advanced Greek—Three hours. Throughout the year.

Homer: Three books of the Iliad, scansion, sight translation, epic poetry. Greek antiquities, Greek literature and Greek prose.

1. Junior Greek—Three hours. Throughout the year.

Herodotus: Selections from several of the books are read. Review of the Greek historians and the Persian Wars.

Plato: Apology and Crito. The Athenian courts.

New Testament. Readings in the Pauline epistles.

2. Senior Greek—Three hours. Throughout the year.

Xenophon: Memorabilia; or Demosthenes: De Corona. Socrates and the Socratic schools. The Attic oration.

Sophocles: Oedipus Tyrannus; or Aeschylus: Prometheus Bound. Development of the Greek drama. Greek tragedy, comedy and theater.

3. Junior Elective Greek—Three hours. Throughout the year.

New Testament: Readings in the gospels of Mark and John and in the Pauline and Catholic epistles. The object of this course is exegetical and practical. It will include a study of the synoptic gospels and a survey of the letters of Paul.

Latin Language and Literature

PROFESSOR SHIPPEE.

1. Freshman Latin—Three hours. Throughout the year.

(a) Livy: This course includes Book XXI., and parts of Book XXII., describing Hannibal's advance upon Rome to the battle of Cannæ. The author's style and peculiarities of syntax are studied. Special chapters of Roman history are assigned. Wilkin's Roman Antiquities. Grammar is reviewed.

(b) Cicero: De Senectute and De Amicitia are read. Special studies in syntax based upon the text.

2. Sophomore Latin—Three hours. Throughout the year.

(a) Horace: Satires and Epistles. Selected satires and epistles; Ars Poetica. Special attention will be paid to the argument, style, and character portrayal, also their place in literature, historical outlines of Roman literature. Bender's text-book and lectures.

(b) Tacitus: Germania and Agricola. The historical and literary importance of both are brought out in the study of these works.

(c) Quintilian. Books X.-XII. This course aims to give a comprehensive view of the principles of rhetoric and oratory as taught by the Romans.

3. Junior Latin—Two hours. Throughout the year.

(a) Cicero: De Officiis. This text is made the basis for the study of ethics as taught by Cicero and his predecessors.

(b) Plautus and Terence. Selected plays are read from these authors.

(c) Juvenal. Selected satires are read and are made the basis for a study of the character of the times.

4. Senior Latin—Two hours. Throughout the year.

(a) Cicero's Letters. May be arranged for semester or year, as determined by the class at the beginning of the year. A study of the character and career of Cicero is made from selected letters and from other historical and biographical sources.

(b) Remnants of Early Latin, (Allen and Egbert,) or Cicero's *De Oratore* may be taken up as elective in senior year.

French Language and Literature

PROFESSOR SHIPPEE

1. Elementary Course—Three hours. Throughout the year.

French Grammar (Fraser and Squair); Contes et Légendes; Aldrich and Foster's French Reader; Mairret's *La Tache du Petit Pierre*; Bruno's *Le Tour de la France*; L'Abbé Constantin; *Le Conscriit*; *La Poudre aux Yeux*; *Jeanne D'Arc*.

2. Intermediate Course—Three hours. Throughout the year.

Bouvet's French Composition; Columba; *Carmen and Other Stories* (Merimée); Sand's *La Petite Fadette* and *La Mare au Diable*; Bowen's French Lyrics; Corneille's *Le Cid*; Racine's *Athalie*; Molière's *L'Avare*; Maupassant's *Contes Choisis*; Feuillet's *Le Roman d'un Jeune Homme Pauvre*; Foncin's *Le Pays de France*; Augier's *Le Gendre de Monsieur Poirier*; About's *Le Roi des Montagnes*.

Other works than those mentioned will be read. This course aims to give the student ease in reading French prose and verse and facility in writing simple French prose.

3. Nineteenth Century Literature—Three hours. Throughout the year.

Composition will be continued throughout the year. A hasty survey of French Literature will be made, for which Pellissier's *Litterature Francaise* will be the text book. Several of the great novels will be read; De Vigny: *Cinq Mars*; Victor Hugo: *Les Miserables*; *Notre Dame de Paris*; Balzac: *Eugénie Grandet*; *Le Curé de Tours*. Poetry, drama and historical prose will also be extensively read.

4. Classical French Literature—Three hours. Throughout the year.

The greater part of the works of Molière, Racine, and Corneille will be read. There will also be wide reading in the prose works of the classic writers, including Voltaire, Bossuet, Descartes, La Bruyère, Pascal, Madame de Sévigné, Mme de La Fayette, and Fénelon.

This course will alternate with course 5.

5. Composition and Conversation—Three hours. Throughout the year.

The object of this course is to enable the student to write French with ease and to speak it with considerable fluency. In the latter part of the year some English classic will be the basis of the written work.

This course is elective for students who have completed Course 2, and for those who have completed Course 1, with high credit.

German Language and Literature

—
MRS. SCHLICHTER

1. Freshman German—Three hours. Throughout the year.

Literature of the 19th century. Fouqué's *Undine*; Heine's *Die Harzreise*; Müller's *Deutsche Liebe*; Freitag's *Die Journalisten*; Schefel's *Ekkehard*; *Deutsche Gedichte*; Wenckebach's composition.

2. Sophomore German—Three hours. Throughout the year.

Literature of the 18th century, dwelling especially upon the works of Lessing and Schiller. Lessing: *Emilia Galotti*, *Minna Von Barnhelm*, and *Nathan der Weise*; Schiller: *Maria Stuart*, *Die Jungfrau von Orleans*, and *Wallenstein's Tod*. Besides this, Wenckebach's *Meisterwerke des Mittelalters* will be assigned, chiefly for outside reading.

3. Junior German—Three hours. Throughout the year.

Life of Goethe and his influence upon German literature. *Dichtung und Wahrheit*; Poems; Götz von Berlichingen; Egmont; Tasso; *Iphigenie*; selections from *Faust*.

N. B. Robertson's *History of German Literature* will be used as a text-book in Courses 2 and 3.

4. Scientific German—Three hours. Throughout the year.

This course aims to give students specializing in technical work as good a scientific vocabulary as the time will permit. Students must have at least two years of preparatory German to take the course. Freshmen may take it instead of German 1.

English Language and Literature

PROFESSOR SCHLICHTER

1 Theory and Practice of English Composition—Two hours. Throughout the year.

This course includes a thorough study of rhetoric and extensive writing of short and long themes. There are recitations, lectures, and private conferences. Text-books: Wendell's English Composition, Foster's Argumentation and Debating, and Brewster and Carpenter's Modern English Prose, Arlo Bates's Talkson Writing English.

2. American Poetry—One hour. Throughout the year.

This course considers carefully in detail the work of nine American poets. There are lectures, short papers, and critical references. Text-books: Page's the Chief American poets, Wendell's Literary History of America, and Trent's History of American Literature.

3. History of English Literature—Three hours. Throughout the year.

This course deals with the work of all the leading authors from the earliest times to the present. There are lectures, recitations, and frequent tests on outside reading. A full list of required readings of the course may be had upon application. Text-books: Moody and Lovett's History of English Literature and Manly's English Poetry.

5. The English Drama—Three hours. First Semester. Given 1909-10.

The theory of the drama and the early history of the English drama are taken up in this course. Text-books: Manly's Pre-Shakspearean Specimens (2 vols), Woodbridge's Technique of the Drama, Thorndike's Tragedy. Typical plays of Lyly, Peele, Nash, Greene, Marlowe, Jonson, and Shakespeare are read.

6. Poetics—Three hours. Second Semester. Given 1909-10.

Leading theories of poetry from Aristotle to Arnold are studied, and poetry is studied technically. Each student prepares his own book of extracts from the later epic, on which is made the basis of work in scansion. The aim above all else is to create an enduring love for poetry. Text-books: Gummere's Handbook of Poetics and Saintsbury's Loci Critici.

7 Old English—Two hours. First Semester. Given 1910-11.

A thorough course in the earliest English. Text-books: Smith's Old English Grammar, Bright's Anglo-Saxon Reader. (All the selections will be read except the Phoenix.)

8. Middle English—Two hours. Second Semester. Given 1910-11.

Extensive reading in Chaucer as typical of the period. Students must be acquainted with French, and Old English is a decided aid to the successful prosecution of this course. Text-books: Liddell's Prologue, Knight's, and Nonnes Prestes Tale, Root's The Poetry of Chaucer, Chaucer's Complete Works, (Globe edition.)

9. The English Novel—Three hours. First Semester.

Mainly the theory of fiction as exemplified by three or four masterpieces. A brief survey of the history of the novel is included. Considerable written analysis of short stories. Text-books: Perry's The Study of Prose Fiction, Walter Raleigh's The English Novel.

10. Shakespeare—Three hours. Second Semester.

Critical reading of four plays and general reading of ten outside of class. Rolfe's editions will be used for study. Also Sidney Lee's Life.

Mathematics and Astronomy

MATHEMATICS

PROFESSOR LEHMAN

1. Advanced Algebra—Four hours. First Semester.

Covering ratio and proportion, variation, progressions, the binomial theorem, theorem of undetermined coefficients, logarithms, permutations and combinations, theory of equations, etc.

2. Plane and Spherical Trigonometry—Four hours. Second Semester.

Definitions of trigonometric functions, goniometry, right and oblique triangles, measuring angles to compute distances and heights, development of trigonometric formulae, solution of right and oblique spherical triangles, applications to Astronomy.

3. Analytic Geometry—Three hours. Throughout the year.

The equations of the straight line, circle, ellipse, parabola, and hyperbola are studied, numerous examples solved, and as much of the higher plane curves and of the geometry of space is covered as time will permit.

4. Differential Calculus—Three hours. First Semester.

Differentiation of algebraic and transcendental functions, maxima and minima, development into series, tangents, normals, evolutes, envelopes, etc.

5. Integral Calculus—Three hours. Second Semester.

Integrations, rectification of curves, quadrature of surfaces, cubature of solids, etc.

6. Plane Surveying—Three hours. Second Semester.

A study of the instruments, field work, computing areas, plotting, leveling, etc.

7. Differential Equations—Three hours. First Semester.

A course in the elements of differential equations.

Prerequisite, Mathematics 3, 4 and 5. Murray.

8. Analytic Mechanics—Three hours. Second Semester.

Bowser.

Prerequisite, Mathematics 7.

ASTRONOMY

PROFESSOR LEHMAN

1. General Astronomy—Four hours. First Semester.

The department is provided with a fine four-and-a-half-inch achromatic telescope equatorially mounted, of which the students make free use.

History and Political Science

PROFESSOR SHENK

1. Mediaeval and Modern History—Three hours. Throughout the year.

A general course prescribed in all the groups. Papers, special reports, and theses, based on available original sources, will be required of all students. Robinson: History of Western Europe; Readings from European History.

2. English Economic History—Three hours. First Semester.

The economic life and development of the English people during mediæval and modern times. Special attention will be given to the manor system, the guilds, growth of commerce, the industrial revolution, the rise of trade unions, and the relation of government to industry. Cheyney: The Industrial and Social History of England; Gibbins: Industry in England.

3. English Constitutional History—Three hours. Second Semester.

The English Constitution and its historical development. A careful study of important documents will be made. Taswell-Langmeade: Constitutional History of England.

4. **United States Constitutional History**—Three hours. Throughout the year.

A full course covering the colonial and constitutional periods. An extensive reading course of original and secondary sources is required. Channing: *Students' History of the United States*; Macdonald: *Select Charters*; Macdonald: *Select Documents*.

5. **Historical and Practical Politics**—Three hours. First Semester.

The development of the leading governments of the world, and a comparative study of the same. Woodrow Wilson: *The State*.

6. **International Law**—Three hours. Second Semester.

A course in the fundamental principles of International Law. Much time is given to the study of important cases.

Economics and Sociology

PROFESSORS SHENK AND RUPP

1. **Economics**—Three hours. First Semester.

A general course in economic theory, supplemented by consideration of practical current problems. Careful consideration will be given the different points of view of the leading economists. Bullock: *Introduction to the Study of Economics*.

2. **Current Labor Problems**—Three hours. Second Semester.

A course devoted to a study of the important labor problems of the present day: Strikes, labor organizations, employer's association, arbitration, trade agreement, labor legislation, etc. Adams and Sumner: *Labor Problems*.

3. **Theory of Sociology**—Two hours. Throughout the year.

This course is intended to give the student a knowledge of the various theories of society together with the place of Sociology in the general field of learning. Part of the course will be devoted to a study of Emigration and Immigration, and the American Negro.

4. **Practical Sociology**—Two hours. Throughout the year.

A study of the causes of Poverty, Methods of Relief, Tenement House Reforms, The Liquor Problems, etc.

English Bible

1. **New Testament**—Two hours. Throughout the year.

The life of Jesus Christ. The course is based on the Gospel by Mark, including frequent references to the other Gospels.

2. New Testament—Two hours. Throughout the year.

The life of Paul. The Acts of the Apostles and the Pauline epistles are studied with a view to Paul's life, character, and influence on the Christian world.

This course may be taken in lieu of 1, at the option of the teacher.

3. Old Testament—Two hours. Throughout the year.

Old Testament History. For the first semester the study will be based on the Pentateuch; for the second, on the Historical Books.

Biology

PROFESSOR DERICKSON

The courses of instruction cover four years. They are recognized as being as valuable in developing the powers of the mind as the other courses in the college curriculum, in that they develop the powers of observation and thought essential to the understanding of all phases of the phenomena of human existence.

The courses have been outlined with a three-fold purpose in view.

First, to meet the demand for a general training in biology, caused by the recently established conclusion among educators, that a knowledge of the principles of biology is not only a useful but an essential factor in any course of training in which social and moral questions are to be considered.

Second, to meet the demand of the high schools for college trained teachers in biology.

Third, to lay a broad foundation in the science for those who desire to pursue post graduate courses in universities and medical colleges.

Students desiring to elect a single year's work in biology are advised to elect 1—b; if two years, 1—a and 1—b or 1—b and 3 and 4, depending on the object in view. Those contemplating a career in medicine, or the profession of teaching biology or a post graduate course in biology, are urged to complete all the courses offered.

Description of Courses

Biology, 1-a. Botany. Four hours. Two lectures or recitations and two laboratory periods of two hours each, per week. Throughout the year. The object of the course is to give the student a broad general knowledge of the plant kingdom. The form, structure and functioning of one or more types of each of the divisions of algae, fungi, liverworts, mosses, ferns and flowering plants, are studied.

Special attention is given to the ontogeny and phylogeny of the several groups suggestive of evolution.

Experiments are performed in the physiological laboratory to determine some of the relations of plants to water, gravitation, temperature and light. Several types of seeds are studied as to their structure, germination and development. The principles of classification are learned by the analysis and identification of representatives of at least twenty-five orders of spermatophytes.

The laboratory and class room work is supplemented by frequent field trips.

Each student is supplied with a compound microscope, dissecting instruments, note and drawing materials and portfolio.

Required of freshmen in chemical-biological group. Elective for others.

Biology 1-b. General Biology. Four hours throughout the year.

Three lectures and two laboratory periods of two hours each, per week.

The principles of biology are learned by making a careful comparative study of representatives of several phyla of animals. The amœba, euglena, paramœcium, vorticella, hydra, starfish, earthworm, crayfish, grasshopper, mussel and frog are studied. A careful study is made of the embryology of the frog. The process of development is closely watched from the segmenting of the egg until metamorphosis takes place. Each student is taught the principles of technic by preparing and sectioning embryos at various stages of development. From these and other microscopic preparations the development of the internal organs and origin of tissues is studied. This is followed by a histological study of the tissues of the adult frog.

Each student is required to keep a record of all work done in the laboratory in carefully prepared notes and drawings.

For sophomores in the chemical-biological group. Elective for others.

Text-books:—Parker's Zoölogy.

* **Biology 2.—Comparative Vertebrate Anatomy.** Four hours throughout the year. Six hours laboratory work and two conferences each week.

The course consists of the dissection and thorough study of a suctional fish, a cartilaginous fish, a bony fish, an amphibian, a reptile, a bird and a mammal. Carefully labeled drawings are required of each student as a record of each dissection.

Text-books:—Pratt's Vertebrate Zoölogy, Kingsley's Text-book of Vertebrate Zoölogy.

Biology—3. Vertebrate Histology. Four hours. Beginning of the year to the end of the first week in March. Two conferences and six hours laboratory work per week.

The normal histology of the human body is made the basis of the class work. Each student is required to acquire a practical knowledge of all phases of histological technic.

All the tissues as well as the structure of all of the organs of the body are studied. Each student prepares about one hundred and fifty slides.

Text-book:—Huber's Text-book of Histology, Bohm and Davidoff.

Elective for juniors and seniors.

Biology 4.—Embryology of Vertebrates. Second week in March to the end of the year. Two lectures and five hours laboratory work per week. The laboratory work is based on the development of the chick and comparisons made with that of the frog and mammal. A study is made of living embryos at various stages of development. These are later killed, prepared and sectioned by the student for the study of the development of the internal organs. Fully labeled drawings are required.

Text-book:—Elements of Embryology, Foster and Balfour.

Elective for juniors and seniors.

* Biology 2 and Biology 3 and 4 are given in alternate years. Biology 3 and 4 will be given in 1909 and 1910.

Education

1. History of Education—Two hours. First Semester.

Beginning with the oriental nations, a survey will be made of the leading systems of education, in connection with the forces which produced them, and their influence upon culture as a whole. Monroe's History of Education is used as a guide. Painter's History of Education, Campayre's History of Pedagogy, and Quick's Educational Reformers will be used as references.

2. Psychology and Philosophy of Education—Two hours. Second Semester.

Educational principles will be subjected to the test of psychology and philosophy. Text-books: Rosenkranz's Philosophy of Education, Harris's Psychologic Foundations, Tompkin's Philosophy of Teaching.

Chemistry

PROFESSOR BENDER

1. General Inorganic Chemistry—Four hours. Throughout the year.

Consisting of three hours lectures and recitations and four hours of laboratory work per week. Non-metals, metals, their metallurgy, compounds, theoretical chemistry, modern applications, problems and written exercises.

Conversational lectures with demonstrations. The object of the course is to give the student a comprehensive knowledge of general chemistry and to lay a stable foundation for advanced work in that science.

Newell's Descriptive Chemistry is used as a text-book during the early part of the course and is followed by Remsen's College Chemistry, which represents the ground covered in the class room and is taken as a guide for laboratory work.

The course pre supposes no previous knowledge of chemistry.

2. Qualitative Analysis—Four hours. First Semester.

Pre-requisite Chemistry 1. This course consists of one lecture and eight hours of laboratory work per week.

The object of the course is to familiarize the students with the best methods of separating and detecting the metals and acids. The reactions of the general qualitative reagents on solutions of compounds of the elements, is first studied. The student then classifies the elements into groups, basing the classification on his own experimental work. His accuracy is tested by unknowns at every step.

Text-books: Dennis and Whittelsey's Qualitative Analysis, Parts of Prescott and Johnson's Qualitative Chemical Analysis. Constant reference is made to Fresenius and other standard works.

3. Quantitative Analysis—Gravimetric—Four hours. Second Semester.

Pre-requisite Chemistry 2. Theory and practice of quantitative laboratory methods. The work of the course includes one lecture and a minimum of eight hours of laboratory work per week. Accuracy is insisted upon as a first requisite.

This course includes the determination of water of crystallization in copper sulphate, barium chloride and magnesium sulphate, preparation of pure salts, determination as oxides of aluminum, copper, nickel, iron, strontium, calcium, lead and zinc, determination of metals as oxalate,

sulphate, sulphide, phosphate, chromate and chloride, complete analyses of several alloys and minerals.

Text-book: Olsen's Quantitative Chemical Analysis.

4. Quantitative Analysis—Gravimetric and Volumetric—Four hours. First Semester.

Pre-requisite, Chemistry 3. Electrolytic determination of metals, calibration of flasks, pipettes, bulbs and burettes, acidimetry, standard acids and alkalies. Methods for determination of nitrogen, titration of boric and carbonic acids, oxidation and reduction methods, iodometric methods.

This course may be extended throughout the year, to include the analysis of iron, steel and coal, assay of iron ores, silicates, fertilizers. The flexibility of the course allows the student to do special work.

Text-books: Olsen's Quantitative Chemical Analysis, Blair's Chemical Analysis of Iron.

5. Organic Chemistry—Two hours. Throughout the year.

Pre-requisite, Chemistry 1. One lecture and three hours of laboratory work per week. A study of the principal compounds of carbon. This series of carefully selected experiments illustrates the methods used in preparing the principal classes of carbon compounds and the fundamental reactions involved in their transformations.

Text-books: Remsen's Organic Chemistry, Orndorff's Laboratory Manual of Organic Chemistry.

6. Industrial Chemistry—Three hours. Throughout the year.

Pre-requisite, Chemistry 1. A careful study of the practical applications of the laws of Chemistry. The course includes a study of the manufacture of artificial fuels, salt, soda, hydrochloric and sulphuric acids, the different kinds of glass, explosives, pigments, porcelain, earthenware, bromine, iodine, leather, sugars, alcohols, oils, gums, resins, varnishes, coal tar products, cement, concrete, coke, fertilizers, paper, textile products. Special metallurgical processes. Comparisons of domestic with foreign methods.

Text-book: Thorp's Outlines of Industrial Chemistry.

Course 6 alternates in years with course 5. Offered 1909-10.

Physics

PROFESSOR BENDER

1. Advanced Course—Three hours. First Semester. Mechanics of solids, liquids and gases. Heat. Lectures, demonstrations, recitations, written exercises, problems.

2. **Sound, Light, Magnetism, Electricity**—Three hours. Second Semester. A continuation of Course 1.

3. **Advanced Laboratory Practice**—One hour. The course consists of four hours of laboratory work per week throughout the year.

Measurements of precision in mechanics. Thermometry, Calorimetry, Optics, Acoustics, Potentiometry, and allied subjects.

Laboratory Guide: A combination of Ames and Bliss's Manual of Experiments in Physics, and Nichols's Laboratory Manual of Physics and Applied Electricity is used.

It is intended that the scope and quality of work done in the above courses shall be such that the students, upon completing them and desiring to take up technical work later, can receive credit for the course in general physics, usually given in the junior year, in an engineering course in any good technical school.

4. Three hours. Throughout the year. This course is open only to those who have completed courses 1, 2 and 3. Extended work in Mechanics, including engineering problems. Applied electricity. The character of the work will be arranged to meet individual needs.

Department of Oratory and Public Speaking

ARTHUR RAY SPESSARD, B. I.

The art of oratory rests upon certain laws of nature, and it is the purpose of the department to present the work with this thought in view. The value of public speech is recognized and emphasized as a most powerful agency and as an avenue to usefulness, touching every phase of life.

In the instruction special stress is laid upon originality, the development of individuality and personality. Elocution is taught as the oral interpretation of literature—and a high standard of work and selections is maintained. Psychic work as taught in the new schools of dramatic art and music, is emphasized. The full course consists of three years—including the required year in the College. Students with previous training may finish it in less time.

Course of Study

First Year. (Required—Freshman Year.)

Elocution—Types of literary interpretation. Principles of expression. Sight Reading, Voice Development, Development of Imagination.

Second Year. (Special work.)

Tone production, oral exercises, physical culture, emotional development, analysis of standard works, reading and recitation of selections, private work. Dramatic Pantomime, Extemporaneous Speech, Dialect, and Monologues.

Third Year. (Special work.)

Philosophy of expression, history of oratory, melody and speech, advanced voice development, dramatic training, characterization, monologues, cuttings from standard authors, oration work, extempore speaking, interpretation of Shakespeare, Browning, etc., private work; Art of criticism, arrangement of programs, public recital work.

Private Lessons

Persons who do not desire to graduate or take an entire course may arrange for lessons singly or by the term. In this case the work will be arranged to suit the individual needs of the student.



THE ACADEMY

THE FACULTY

HARRY EDGAR SPESSARD, A. M., Principal,
Mathematics and English.

JOHN EVANS LEHMAN, A. M.,
Mathematics.

REV. JAMES THOMAS SPANGLER, A. M., B. D.,
Greek.

HIRAM HERR SHENK, A. M.,
Htstory.

SAMUEL HOFFMAN DERICKSON, M. S.,
Zoology.

ANDREW BENDER, A. B.,
Physics.

NORMAN C. SCHLICHTER, A. M.
English.

ETTA WOLFE SCHLICHTER, A. M.,
German.

ROY J. GUYER, A. B.,
Instructor in Latin.

FLORENCE BOEHM,
Drawing.

WILBUR E. HARNISH,
Assistant in Algebra.

EDNA D. YEATTS,
Assistant in English.

ALBERT DANIEL FLOOK,
Assistant in Arithmetic.

MARY B. MUSSER,
Assistant in Latin.

ARTHUR RAY SPESSARD, B. I.,
Public Speaking.

WALTER V. SPESSARD
Assistant in Civics.

Lebanon Valley Academy

The Academy was established in 1866. For forty-two years it has cherished the ideals of full and accurate scholarship, and the development of character that fits one for the largest service to society. From its inception college preparation has been its main purpose. But its curriculum has been well adapted to the needs of those who have entered immediately on practical life or professional study.

The Academy is an integral part of the College and profits by the proximity of students engaged in higher studies; by the ready access to the library, athletic field, literary societies, dormitory and laboratory privileges and by the opportunity to combine courses of study in the Academy with others in the College and Conservatory.

Admission

The applicant should be at least twelve years of age. It is desirable that he shall have completed the ordinary common school branches. Classes however are sometimes formed in language, arithmetic, history, and geography when deemed necessary. In general it is to the student's advantage to enter in September, or less preferably at the second half year. However the applicant usually finds enough work if he should enter at any time.

Each student for admission shall bring with him a certified statement of work done in the school last attended. Credit will be given for work thus certified. Should an applicant fail to present this certificate, he shall take an informal examination in the common school branches. He will then be assigned work at the discretion of the Principal. No student will be admitted until his registration is completed.

Examinations

Examinations are held at the close of each half year. At this time reports are sent to parents or guardians. More frequent reports are sent when requested by parents. In the Academy records, A signifies excellent; B, very good; C, fair; D, low but passing; E, conditioned; F, failing; R, repeat in class. An "E" record may be removed by a

test on any part of the course in which the record is poor; an "F" record may be removed by an extended examination on the payment of a special fee of two dollars.

Absences

If, in any semester, a student have two absences in any subject he shall either take a test on the subject matter passed over in his absence or by doing specially assigned work satisfy the professor in charge that he has a creditable knowledge of the work passed over. If the two absences in question are unexcused the student shall take the test and pay a fee of one dollar. For detailed information, see the absence rules of the College.

Courses Offered

In the first semester classes are formed in

English Grammar, Classics, and Rhetoric.

Algebra, Elementary and Intermediate.

Geometry, Plane.

Advanced Algebra.

History of Greece. Given in 1909.

English History. Given in 1910.

Latin—First year, Caesar, Cicero, and Virgil.

Greek—First year.

German—First and second years.

Physics.

Zoölogy.

Freehand drawing.

In the second semester new classes are formed in

Roman History. Given in 1910.

Civics. Given in 1911.

English Classics.

Outline of Courses

CLASSICAL

JUNIOR

Latin.....a	5
English.....a	3
Mathematics.....a1	4
Mathematics.....a2	4
Physical Geography.....	3

LOWER MIDDLE

Drawing.....	1
Latin.....b	5
English.....b	3
History.....d }	3
History.....c }	
Mathematics.....b	4
German.....a	4

UPPER MIDDLE

Latin.....c	4
English.....c	3
Mathematics.....c	4
German.....a	4
Declamation.....	1
History.....b	3

SENIOR

Latin.....d	4
English Classics.....d	3
Greek.....a or b	4
German.....b	4
Mathematics.....d	4
Science.....d	4

SCIENTIFIC

JUNIOR

Latin.....a	5
English.....a	3
Mathematics.....a1	4
Mathematics.....a2	4
Physical Geography.....	3

LOWER MIDDLE

Drawing.....	1
Latin.....b	5
English.....b	3
History.....d }	3
History.....c }	
Mathematics.....b	4
History.....b	3

UPPER MIDDLE

Latin.....c	4
English.....c	3
Mathematics.....c	4
German.....a	4
Declamation.....	1
Science.....c	3

SENIOR

Latin.....d	4
English Classics.....d	3
German.....b	4
Mathematics.....e	4
Science.....d	4

NOTE—Any substitution or change in these courses must be approved by the faculty. Higher Algebra, Trigonometry, and Chemistry may be elected, but can not be substituted for work required in the detailed outline of courses.

English

A. Junior English—Three hours. Throughout the year.

Vision of Sir Launfal, A Tale of Two Cities, Deserted Village, Irving's Sketch Book, and Last of the Mohicans. Oral and written themes based on the student's experience. Capitalization and punctuation. Unity and coherence in the sentence and composition.

B. Lower Middle English—Three hours. Throughout the year.

Silas Marner, Ivanhoe, The Ancient Mariner, Pilgrim's Progress, DeCoverly Papers. Grammar—the verb, phrases, clauses and connections. Short themes in Narration.

English (a) and (b) one and one-half units.

C. Upper Middle English—Three hours. Throughout the year.

The Merchant of Venice, House of Seven Gables, Gareth and Lynette, Launcelot and Elaine, The Passing of Arthur, Macaulay's Essay on Addison, Webster's Bunker Hill Oration, and other classics. Infinitives and participles, composition and rhetoric. (Spalding.) Themes emphasizing diction and description.

D. Senior English—Three hours. Throughout the year.

English classics required for careful study by the College Entrance Board.

English (c) and (d) one and one-half units.

DESCRIPTION OF COURSES

Latin

A. Junior Latin—Five hours. Throughout the year.

First year Latin, Moore and Schlichter.

Fabulae Faciles. One unit.

B. Lower Middle Latin—Four hours. Throughout the year.

Cæsar, Books I.-IV. Composition based on the text.

One unit.

C. Upper Middle Latin—Four hours. Throughout the year.

Cicero, six orations. D'Oge's Composition based upon the text.

One unit.

D. Senior Latin—Four hours. Throughout.

Virgil's Aeneid. Prosody, sight translation. One unit.

German

A. Beginning German—Four hours. Throughout the year.

Bacon's German Grammar and easy reading texts, 150 to 200 pages. Translations of simple English sentences into German. One unit.

B. Second Year German—Four hours. Throughout the year.

Joynes-Meissner Grammar. Daily practice in writing German. Reading of about 400 pages of moderately easy texts, both prose and poetry. One unit.

Greek

A. Greek—Four hours. Throughout the year. White's First Greek Book.

In as much as only one year of Greek is now offered in the Academy, classical students are expected to have at least German (a) and (b.)

Mathematics

A.¹ Arithmetic—Four hours. Throughout the year. A special drill in fractions, percentage, and the metric system. Junior year. One-half unit.

A.² Algebra—Four hours. Throughout the year. The equivalent of Slaught and Lennis' High School Algebra, elementary course.

B. Algebra—Three hours. Throughout the year. Slaught and Lennis High School Algebra, advanced courses, is completed. Lower middle year. One-half unit.

C. Plane Geometry Four hours. Throughout the year. Wells' New Plane and Solid Geometry is the text-book used. Much time is given to original problems. Upper middle year. One unit.

D. Solid Geometry—Four hours. First semester. Text-book, Wells. One-half unit.

E. Advanced Arithmetic—Four hours. Second semester. Up-to-date methods and short cuts that every person should know. Required of all senior Academy students.

Science

The course embraces the work in elementary biology outlined by the committee on college entrance requirements.

Text-book: Elementary Zoölogy, Kellogg. One unit.

ELEMENTARY PHYSICS (Science d)

1. Four hours. Throughout the year. Mechanics of solids, liquids and gases, heat, light, magnetism, electricity. Conversational lectures, illustrated by experiments and the lantern. Recitations. Weekly written exercises, corrected in detail. Problems illustrating the laws and principles of physics.

The aim of the course is to acquaint the student with the phenomena and laws of the physical world ; to cultivate a love for physical science, and to prepare for more advanced work in Physics.

No previous knowledge of Physics is required for admission to the course.

Text-book : Carhart and Chute's High School Physics. One unit.

2. **Elementary Laboratory Practice**—Two hours laboratory work per week throughout the year. The student acquires skill in the manipulation of physical apparatus and in making measurements of physical quantities. Careful work is insisted upon, and the student's work must be approved before leaving the laboratory. Accurate and neatly written notes must be handed in at regular times. About sixty-five standard experiments are required, with an additional optional number. The National Physics course is followed.

History and Civics

B. **English and Civics**—Three hours. Throughout the year. One unit.

C. **Grecian**—Three hours. First semester.

Myer's Ancient History. Lower middle year. One-half unit.

D. **Roman**—Three hours. Second semester.

Myer's Ancient History. Lower middle year. One-half unit.

Free-Hand Drawing

The work consists of drawing from simple objects, and then from groups of objects.

Light and shade are subsequently taken up. The subject receives a quarter-unit of credit. The class meets once a week.

Elocution

One hour a week is devoted to declamations and the rudiments of vocal expression and intepretation of the best English classics.

One-fourth unit.

Election of Studies

While there are two definitely prescribed courses in the Academy—there is considerable room for election of courses that have special value to students intending to specialize.

The Principal advises students what subjects are fundamental to professional and engineering courses.

Graduation

The required credit for graduation, as outlined in the Classical and Scientific Courses, is sixteen units, provided that the student shall have completed at least the three units in Mathematics, the three units in English, three units of Latin, two units of German, one laboratory science, and one unit of history.

In general the pursuance of a four or five-hour subject per week per year constitutes a unit. Corresponding credits are given for recitations reciting fewer times per week. However, all credits are based upon the report of the committee of the Association of Teachers of Secondary Schools. In short, the completion of seventy-two hours of work as above outlined entitles the student to a diploma of graduation. If said student desires to enter Lebanon Valley College he shall arrange his work so as to meet the entrance requirements for the several courses.

Sub-Preparatory Course

Sometimes students of mature age come to us not fully prepared to enter the Academy. They have for various reasons attended school but

a short time and find it embarrassing to enter the public schools with scholars so much younger than themselves. For these we make provision. However, at least sixteen hours of regular Academy work is required for classification.

Facts to be Considered

A one hundred dollar scholarship is awarded each year to the Academy graduate who has, according to the vote of the Faculty, made the best class record and deported himself in accordance with regulations.

Academy students are admitted to all social privileges of the College. Excellent opportunities are offered for self improvement in the Literary societies and Christian associations.

The Normal Department

The object of the Normal Department is to give special instruction to young men and women who desire to teach in our public schools.

All the fundamental branches in which teachers are required to be examined are systematically and thoroughly reviewed and daily instruction is given in the principles of teaching and the art of school management.

The work in this department is continued throughout the year. During the spring term, which begins about the time public schools close, special teachers are employed to accommodate the increasing numbers. These teachers are the best public school teachers obtainable who know just what points to emphasize in preparation.



DEPARTMENT OF MUSIC

Faculty

HARRY DYER JACKSON, DIRECTOR
Piano, Organ, Etc.

VIOLETTE M. MOYER,
Voice

ETTA WOLFE SCHLICHTER, A. M.
German

JOHN SMITH SHIPPEE, A. M.,
French

NORMAN C. SCHLICHTER, A. M.,
English

ARTHUR SPESSARD, B. I.,
Elocution

FLORENCE S. BOEHM,
Painting, Drawing

Location and Equipment

THE ENGLE MUSIC HALL is a handsome three-story stone structure. It contains a fine auditorium with large pipe organ, director's room, and nine practice rooms, waiting and writing room for student's use, large society rooms, lavatories, etc. The whole building is lighted by electricity and heated by steam, and designed and furnished with a view to having it complete in every respect for the study of music in all its branches. A complete musical education from the very first steps to the highest artistic excellence may be secured. The director will use every effort to obtain positions for those students who have finished the courses, and who may wish to teach or perform in public.

Object

The department has for its object, the foundation and diffusion of a high and thorough musical education. The methods used are those followed by the leading European conservatories. The courses are broad, systematic, progressive, and as rapid as possible, and the conservatory offers the means for a complete education in musical art at a moderate cost.

HARRY DYER JACKSON

TEACHER OF PIANOFORTE, HARMONY AND THEORY

The musical talent of Prof. Jackson manifested itself in childhood and he began the study of music at the age of eight. He was a student in the Conservatory of Music, Jacksonville, Ill., 1883-84; New England Conservatory of Music, 1889, under the instruction of Otto Bendix, piano, and H. M. Dunham, organ. He graduated from Boston (Mass.) Conservatory of Music under Herman P. Chelius, 1892. He then became director of Genesee (Ill.) Conservatory of Music where he remained five years. He graduated from the New England Conservatory of Music under Charles Porter, piano, H. M. Dunham, organ, and post graduate the following year. After two years as director of the Conservatory of Music of the Alabama Conference Female College, he took post graduate work in Paris, Berlin, and Boston, Mass. He became director of the Quincy Conservatory of Music in 1902, where his success was phenomenal. His election as director of Engle Conservatory occurred June 2, 1908.

Pianoforte

The course is divided into sixteen grades, equalling four grades per annum for four years work. A comprehensive study of the standard literature of instructive piano work is absolutely necessary to the piano student and these are studied through the various grades. The new school of studies edited by Carl Thumer and published in sixteen grades, along with Koeler's and Plaidy's Technical Exercises are the basis for the technical and etude work through all the grades.

Voice

It is the aim of this department to build up the voice, beginning with the simplest forms of pure tone production and proceeding systematically to advanced vocalization. Perfect breath control, relaxation and correct tone placing are the cardinal points in voice culture, and these are carefully and rigidly insisted upon. Phrasing, enunciation, and resonance are also given important consideration in the course. Special attention is paid to the needs of individual voices, and the studies are varied accordingly.

Organ

The student must be advanced to at least the sixth grade in the pianoforte course before taking up the study of the organ.

The course prepared is based on the best methods of England, France, and Germany, and with a view to educating the student in the most thorough manner. Special attention is given to the proper modes of service playing, organ accompaniments, etc., as well as concert or recital playing.

Harmony Course

Is based on Brockhoven's Harmony and occupies four terms' work. It is taught in classes, but backward students can arrange for private lessons.

Theory Course

Is based on Elson's Theory and occupies three terms, class work.

History Course

Is based on Reimann's History of Music and Filmore's Lessons in Musical History, and occupies three terms of class work.

Send to the Director for separate catalogue of the Department of Music containing the complete courses in all branches.

LECTURES.—There will be lectures on musical history each term, and all regular students of the departments will be required to attend them.

CONCERTS.—Recitals and concerts by the students, the Faculty, or leading artists, will be held at stated intervals throughout the year.

Certificates

REQUIREMENTS FOR CERTIFICATES

Complete course in pianoforte or in any of the other subjects, viz: voice, violin, harmony, theory, or history.

Fee for certificate, \$2.50.

Diplomas

REQUIREMENTS FOR DIPLOMAS

Complete selected course, viz: piano, organ, violin or voice.

In case of piano or organ student, three terms voice. In case of voice student, three terms piano. Complete courses in harmony, history and theory. Three terms each in chorus class, English, grammar, rhetoric and composition, literature, French or German.

Free tuition in any one of the literary studies. Each candidate to give a public recital during last term.

Fee for diploma, \$6.00.

Degree

REQUIREMENTS FOR DEGREE (Mus. B)

Candidates must already have taken a diploma.

Must have freshman standing in any of the College courses.

Two years, fugue, harmony, counterpoint and composition.

Must write a composition for four solo voices and chorus, to occupy about twenty minutes, and must train, rehearse and conduct the same for public performance.

Fee for degree, \$10.00.

Examinations

All students taking any of the regular music courses, will be compelled to take the various examinations the second week of April. These examinations are for entrance in the various classes (sophomore, junior, and senior) the following September. All senior students must take their final examinations at the same time.

These will be held in the College chapel, and are for performance, not theory. A list of the various studies, selections, etc., can be obtained at any time from the Director.

Tuition

PIANO OR VOICE.

Fall term.....	30 lessons.....	\$22 50
Fall term.....	15 lessons.....	11 25
Winter term.....	24 lessons.....	18 00
Winter term.....	12 lessons.....	9 00
Spring term.....	24 lessons.....	18 00
Spring term.....	12 lessons.....	9 00

SENIOR YEAR.

Fall term.....	30 lessons.....	30 00
Fall term.....	15 lessons.....	15 00
Winter term.....	24 lessons.....	24 00
Winter term.....	12 lessons.....	12 00
Spring term.....	24 lessons.....	24 00
Spring term.....	12 lessons.....	12 00

PIPE ORGAN.

Fall term.....	30 lessons.....	30 00
Fall term.....	15 lessons.....	15 00
Winter term.....	24 lessons.....	24 00
Winter term.....	12 lessons.....	12 00
Spring term.....	24 lessons.....	24 00
Spring term.....	12 lessons.....	12 00

HARMONY IN CLASS.

Fall term...	7 00
Winter or Spring term.....	5 00
Private Lessons, each.....	75

HISTORY IN CLASS.

Fall term.....	5 00
Winter or Spring term.....	4 00
Additional charge for single lesson.	

Students taking a full music course are charged a matriculation fee of \$3.00 for the year, payable in advance. This fee entitles student to all privileges of the College.

Students taking piano, organ, or voice only are charged a matriculation fee of \$1.00 payable in advance.

Pipe organ students must pay at the rate of 10 cents an hour for organ blower.

Fee for graduation diploma, \$6.00.

RULES AND REGULATIONS —No reduction is made for absence from the first two lessons of the term, nor for a subsequent individual absence. In case of long continued illness the loss is shared equally by the College and the student.

All tuition is payable in advance.

Pupils may enter any time, but for convenience of grading, etc., the beginning of each term is the most desirable time.

All sheet music must be paid for when taken.

No pupil is allowed to omit lessons without a sufficient cause.

Reports showing attendance, practice, and improvement in grade, will be issued at the close of each term.

For all further information as to any particular course, or combination of courses, rooms, boarding, etc., address

DIRECTOR OF THE CONSERVATORY,

LEBANON VALLEY COLLEGE,

ANNVILLE, PA.



DEPARTMENT OF ART

FLORENCE S. BOEHM, INSTRUCTOR

Course of Study for Certificate

First Year—Drawing, Sketching in pencil of various familiar subjects, and drawing from geometric solids, good examples of proportion and perspective, and the principles of light and shade.

PAINTING—Flowers, fruit and leaves, models, casts and familiar objects. Elementary original composition.

MODELING—Fruit, vegetable forms and leaves from casts and nature; animals from the cast and prints. Elementary original composition.

Second Year—Charcoal drawing from casts of heads. Painting in water colors and pastels from groups of still life, interiors, decorative subjects, flowers, draperies, and out-of-door sketching.

Third Year—Sketching from life. Painting in oils from still life and nature. Wash drawings in ink, water color, historic ornament. Studies in color harmony.

Teacher's Class—Principles and methods of drawing, modeling, blackboard drawing, lettering, brush work, sketching from life and water color.

Saturday work is offered for teachers and children who cannot take work during the week.

Keramics—Classes in china painting are instructed by the latest methods in conventional and naturalistic treatment. The china is fired in the institution, giving students an opportunity for learning how to fire their own china.

Miniature—Miniature painting on ivory.

Students who do not desire the certificate course may take special work along any line preferred.

Art Exhibit

During commencement week an exhibit of some of the work done in the department is held in the studio, to which all visitors are welcomed and entertained by members of the department.

Expenses

	FALL TERM	WINTER TERM	SPRING TERM
TUITION—One lesson a week	\$10 00	\$ 8 00	\$ 8 00
Two lessons a week	16 00	12 00	12 00
Children's beginning class	2 50	2 00	2 00
Children's advance class	4 00	3 00	3 00
Special lessons 75 cents each.	Matriculation Fee \$1 00		

REGISTER OF STUDENTS

The College

GRADUATE STUDENTS

Lehman, Max F.	Annville
Mills, Alfred Keister	Annville
Waughtel, Samuel H.	Red Lion
• Wiegand, J. A.	Lebanon

SENIORS

Dotter, Charles G.	Annville
Flook, Albert Daniel	Myersville, Md.
Hoffer, George Nissley	Hummelstown
Lowery, Grace Burtner	Harrisburg
Moyer, Amos B.	Sunbury
Richter, George M.	Halifax
Spessard, Walter V.	Annville
Stehman, J. Warren	Mountville
Weidler, Deleth Eber	Royalton
Yeatts, Edna D.	York

JUNIORS

Bair, Grover Cleveland	Belleville
Fleming, Mervin R.	York
Freed, Edith Nissley	Annville
Garrett, E. Myrtle	Hummelstown
Harnish, Wilbur E.	Mechanicsburg
Hoerner, Lena Mae	Mechanicsburg
Jacoby, John Edward	York
Kohler, Fillmore T.	Yoe
Musser, Mary B.	Mountville
Plummer, Charles W.	Hagerstown, Md.
Plummer, Wilbur Clayton	Hagerstown, Md.
Renn, Earl E.	Middletown
Rutherford, F. Allen	Royalton
Seltzer, Lucy S.	Lebanon
Shaffer, Floyd E.	Lebanon
Strock, J. Clyde	Mechanicsburg

Weidler, Victor O.	Royalton
Yoder, Jesse T.	Belleville

SOPHOMORES

Beckley, Arthur S.	Mont Clare
Bomberger, Harry K.	Lebanon
Brunner, William Albert	New Bloomfield
Ehrhart, Oliver T.	Millersville
Ellis, William O.	Annville
Frost, Fred T.	Lebanon
Herr, Harvey Elmer	Annville
Herr, Mabel S.	Annville
Holdeman, Phares M.	Bellegrove
Kauffman, Artus O.	Dallastown
Koontz, Paul R.	West Fairview
Lehman, John Karl	Annville
Marshall, Edward.	Annville
Schell, Esther N.	Myerstown
Saylor, Roger B.	Annville
Shoop, William Carson	Annville
Spessard, Earl A.	Annville
Spessard, Lester	Annville
Strickler, Alfred Desch	Lebanon
Ziegler, Samuel G.	Hanover

FRESHMEN

Blecker, Ammon J.	Myerstown
Butterwick, Oliver	Lebanon
Carmany, Earl H.	Annville
Flook, Dawson Y.	Myersville, Md.
Guyer, George W.	Shippensburg
Harnish, Clair F.	Mechanicsburg
Hensel, Forrest S.	Lykens
Hershey, Catharine	Hershey
Kennedy, Francis R.	Kingston, Jamaica
Kiracofe, Myra G.	Hagerstown
Kreider, A. Louise	Annville
Keister, Donald C.	Annville
Kreider, Aaron S.	Annville
King, Carrie E.	Mechanicsburg
Lau, Lizzie A.	York

Leopold, J. B.	Lebanon
Leibold, Titus J.	Reading
Light, Carrie S.	Jonestown
Myers, Cora V.	Ephrata
Reed, Josiah F.	Lebanon
Rettew, Chester E.	Columbia
Rosato, Saverio	Scranton
Shenk, Robert D.	Columbia
Smith, Charles C.	Red Lion
Snyder, Verda A.	Hagerstown
Seltzer, Nellie	Lebanon
Shoap, Loyd B.	Shippensburg
Wingerd, Guy	Chambersburg
Wingerd, Max	Chambersburg
Wert, Mark H.	Millersburg
Weidler, Helen L.	Royalton

SPECIAL

Light, Jessie G.	Annville
Rigler, Margaret	Annville
Loos, Anna	Annville
Detter, D. F.	Williamstown
Frantz, Edith	Lebanon
Savastio, Leonard	Middletown
Moyer, Harry M.	Palmyra
Lindsay, A. M.	Steelton

ACADEMY

Arndt, Charles Homer	Ensminger, Harvey
Bachman, Ora B.	Fegan, Lloyd V.
Balthaser, James S.	Gerberich, Clyde E.
Biever, Walter	Gingrich, Katie
Black, Mary	Goodman, W. G.
Brightbill, Helen E.	Groh, Samuel B.
Brown, J. E.	Heffelfinger, Victor M.
Christeson, Florence E.	Himmelberger, A. M.
Condran, John H.	Holtzman, Mark G.
Cresson, Nellie	Hummel, Russel P.
Deitzler, Jonathan C.	Keath, Grace V.
Detweiler, Ruth C.	Klinger, Landis R.
Eby, Ervin E.	Kreider, Edward L.

Kreider, Paul M.	Peiffer, W. H.
Lehman, Edith M.	Rauch, Margaret
Leister, J. Maurice	Reilly, Edith
Leshner, Paul E.	Risser, Blanche M.
Light, Boaz G.	Savastio, Leonard B.
Light, Milo	Sherk, John E.
Light, Raymond H.	Snavelly, Henry E.
Light, V. Earl	Spayd, Mary A.
Long, Dora	Spessard, Bertha S.
Loser, Earl G.	Spessard, Lottie M.
Loser, Paul	Ulrich, Charles Y.
Maberry, Laura A.	Walters, John Allen
McCurdy, C. E.	Weigel, Amos H.
Meckley, Elizabeth L.	Williams, George Albert
Meyer, Irvin C.	Winter, William C.
Meyer, E. May	Yarkers, Edna E.
Mulhollen, Victor D.	Zullinger, George
Nissley, Mary B.	

NORMAL CLASS

Artz, Stella K.	Lickdale
Beckley, Sallie A.	Lebanon
Bender, Harry M.	Annville
Bixler, Anna	Palmyra
Bohr, Matilda M.	Cornwall
Bomgardner, Lizzie	Lebanon
Daniels, Emma H.	Lebanon
Donmoyer, Thomas F.	Lebanon
Dundore, Willis A.	Avon
Early, Henry H.	Palmyra
Fry, H. Gertrude	Palmyra
Groh, Ida	Heilmandale
Hartman, Clara R.	Lebanon
Hartz, Ira G.	Palmyra
Heagy, Roy F.	Palmyra
Heilman, George E.	Cleona
Hetrich, Mary R.	Grantville
Knoll, Harry W.	Annville
Koons, Miles B.	Lebanon
Krall, Jerome H.	Lebanon

Lehman, Clayton	.	.	.	.	.	Campbelltown
Light, Hattie A.	.	.	.	.	.	Lebanon
Light, Alice L.	.	.	.	.	.	Lebanon
Light, Boaz G.	.	.	.	.	.	Avon
Light, Katia M.	.	.	.	.	.	Annville
Light, Harrison B.	.	.	.	.	.	Aunville
Light, Grace E.	.	.	.	.	.	Avon
Light, Bertha G.	.	.	.	.	.	Lebanon
Mease, Harry	.	.	.	.	.	Onset
Meyer, Jennie L.	.	.	.	.	.	Lebanon
Meyer, Sarah S.	.	.	.	.	.	Lebanon
Nye, Carrie E.	.	.	.	.	.	Annville
Nye, Jennie M.	.	.	.	.	.	Palmyra
Olewine, Sallie M.	.	.	.	.	.	Myerstown
Rabuck, Katie M.	.	.	.	.	.	East Hanover
Rank, Edna L.	.	.	.	.	.	Palmyra
Rank, A. Kathryn	.	.	.	.	.	Palmyra
Reist, Edmund H.	.	.	.	.	.	Lebanon
Reist, Sallie	.	.	.	.	.	Heilmandale
Reiter, Mayme F.	.	.	.	.	.	Myerstown
Schropp, Lyman E.	.	.	.	.	.	Pinegrove
Seabold, Emma F.	.	.	.	.	.	Annville
Shaak, Alice M.	.	.	.	.	.	Lebanon
Shelley, Daniel O.	.	.	.	.	.	Cleona
Sherk, Robert E.	.	.	.	.	.	Palmyra
Shetter, Joseph S.	.	.	.	.	.	Campbelltown
Snyder, Lester E.	.	.	.	.	.	Greencastle
Swanger, Harry	.	.	.	.	.	Avon
Wenger, Katie M.	.	.	.	.	.	Rexmont
Youtz, Ella	.	.	.	.	.	Colebrook

CONSERVATORY STUDENTS

Albert, Mark A.	.	.	.	.	.	Annville
Albert, Maud	.	.	.	.	.	Lebanon
Anderson, Scott	.	.	.	.	.	Chambersburg
Bachman, Ora B.	.	.	.	.	.	Annville
Balthaser, James S.	.	.	.	.	.	Hamburg
Beckley, Carrie M.	Lebanon
Bender, Harry M.	Annville
Black, Mary S.	Columbia

REGISTER OF STUDENTS

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Blecker, Ammon J.	Myerstown
Boehm, Lydie	Annville
Bowman, Luella	Lebanon
Brane, Jessie M.	Reading
Brightbill, Helen E.	Annville
Burkey, Lillian S.	Lebanon
Christeson, Mary L.	Annville
Condran, Elsie	Annville
Cresson, Nellie	Annville
Deck, Vernon	Fredericksburg
Detweiler, Ruth C.	Palmyra
Embich, Edna	Lebanon
Eusminger, Henry	Mt. Aetna
Eusminger, Mary	Mt. Aetna
Erb, Pearl	Hockersville
Evans, David	Wiconisco
Fasnacht, Irene	Annville
Fegan, Lloyd V.	Cleona
Flook, Dawson Y.	Myersville, Md.
Frantz, Edith C.	Lebanon
Freed, Edith N.	Annville
Gantz, Lillian	Annville
Gates, Blanche M.	Lebanon
Gingrich, Katie M.	Palmyra
Gingrich, Edith	Annville
Gleim, Edith	Lebanon
Hauer, Lillian	Lebanon
Hensel, Forrest S.	Lykens
Herr, Mabel S.	Annville
Herr, Harvey E.	Annville
Hershey, Catharine E.	Hershey
Keath, Grace V.	Penryn
Kiracofe, Myra G.	Hagerstown, Md.
Kreider, A. Louise	Annville
Lehman, Max F.	Annville
Lehman, Edith M.	Annville
Light, Jessie G.	Annville
Light, Katie M.	Annville
Light, Ralph	Annville
Light, Milo	Annville
Lowery, Grace B.	Harrisburg
Maberry, Laura A.	Schuylkill Haven

Maulfair, Iva B.	. . . . .	Annville
Maulfair, Ralph	. . . . .	Annville
Maulfair, Mary	. . . . .	Annville
McFerran, Lulu	. . . . .	Lebanon
Mayer, Maud I.	. . . . .	Sacramento
Meyer, E. Mae	. . . . .	Annville
Meyer, Allen	. . . . .	Annville
Mills, Alfred K.	. . . . .	Annville
Mills, Lucile	. . . . .	Annville
Mills, Charles W.	. . . . .	Quincy, Ill.
Mulhollen, Victor D.	. . . . .	Wilmore
Musser, Mary B.	. . . . .	Mountville
Nissley, Mary B.	. . . . .	Middletown
Nye, Florence I.	. . . . .	Annville
Patchke, Luther	. . . . .	Lebanon
Prout, Violet W.	. . . . .	Wiconisco
Rauch, Margaret V.	. . . . .	Grantville
Reilley, Edith	. . . . .	New Haven, Conn.
Richter, George M.	. . . . .	Halifax
Rigler, Margaret	. . . . .	Annville
Ristenbatt, Beulah	. . . . .	Lebanon
Savastio, Leonard	. . . . .	Middletown
Shenk, Rachel	. . . . .	Annville
Spangler, Ruth F.	. . . . .	Annville
Spayd, Mary A.	. . . . .	Annville
Smith, Fred. S.	. . . . .	Chambersburg
Spessard, Bertha	. . . . .	Annville
Spessard, Lottie	. . . . .	Annville
Spessard, Earl	. . . . .	Annville
Spessard, Arthur R.	. . . . .	Annville
Strock, J. Clyde	. . . . .	Mechanicsburg
Strickler, Alfred D.	. . . . .	Lebanon
Walters, Olive J.	. . . . .	Annville
Wood, Claire I.	. . . . .	Annville
Zullinger, George	. . . . .	Chambersburg

ELOCUTION

Brane, Jessie M.	Christeson, Mary L.
Brightbill, Helen E.	Gingrich, Katie
Brunner, Albert	Holdeman, Phares M.

Koontz, Paul R.	Shoop, W. C.
Köhler, Filmore T.	Snyder, Verda A.
Plummer, Charles W.	Ziegler, Samuel M.
Renn, Earle E.	

ART STUDENTS

Boltz, Kathryn	Annville
Brightbill, Helen E. -	Annville
Elliott, Bertha	Annville
Ellis, William O.	Annville
Keister, La Verne	Annville
Keath, Grace V.	Penryn
Kreider, Clement H.	Annville
Kreider, Howard H.	Annville
Maulfair, Mary E.	Annville
Meyers, Mae E.	Annville
Nissley, Mary B.	Middletown
Snyder, Verda A.	Keedysville, Md.
Spangler, W. Roy	Annville
Stein, Mary	Annville

SUMMARY

Graduate Students	4
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Juniors	18
Sophomores	20
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Academy	61
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	314
Names repeated	54
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TOTAL	260

Degrees Conferred, June 3, 1908

BACHELOR OF ARTS

Appenzellar, J. Lester	Lehn, Homer M. B.
Billow, Milton Oscar	Linebaugh, Norman L.
Courson, Della	Long, Samuel B.
Fisher, Byrt W.	Mease, Oliver
Guyer, Roy J.	Oldham, Stanley R.
Hartz, R. S. B.	Shoop, Charles Wilson
Knaub, Neda A.	Zuck, Alice M.
Kreider, Sallie Wenger	

MASTER OF ARTS

Graybill, Robert B.	Rupp, Rev. S. Edwin
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DIPLOMAS IN MUSIC

Altenderfer, Mrs. W.	Light, Jessie G.
Fasnacht, Irene	Lutz, Alice K.
Frantz, Edith	Musser, Mary B.
Gallagher, Nellie	Oldham, Celia
Gamber, Lydia	Oldham, Constance
Gantz, Mary	Shaud, Elizabeth
Hardman, Frank	Smith, Fred
Hatz, Ervin	Ulrich, Gertrude
Kreider, A. Louise	

DOCTOR OF LAWS

Hon. George Kunkel, A. M., Harrisburg, Pa.

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